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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	J. Benesty et al.	Examiner:	Daniel Swerdlow
Application Serial No.:	09/228,772	Art Unit:	2644
Filing Date:	January 6, 1999	Atty Dkt. No.	010040/0004
Title:	ADAPTIVE FILTER FOR NETWORK ECHO CANCELLATION		
		Date:	November 10, 2003

AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed on August 8, 2003, the time for reply to which extending to and including November 10, 2003 (November 8 falling on a weekend), please amend the application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 5 of this paper.

Amendments to the drawings begin on page 10 of this paper.

Remarks begin on page 11 of this paper.

Page 1 of 18

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#9/c  
(N.E.)  
D.D.  
11-21-03

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DATE November 10, 2003

TO	COMPANY NAME	FAX NO.	PHONE NO.
Examiner Daniel Swerdlow	USPTO	703-872-9314	703-305-4088

  

TOTAL NO. OF PAGES	26 (including cover sheet)
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CLIENT/MATTER NAME	
CLIENT/MATTER NO.	010040/0004

## MESSAGE

Re: Amendment  
U.S. Application Serial No. 09/228,772  
Filed: January 6, 1999  
For: ADAPTIVE FILTER FOR NETWORK ECHO  
CANCELLATION

## CONFIDENTIAL

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Docket No.  
010040/0004  
JJJ/JFD

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: **J. Benesty et al.**

Group Art Unit: 2644

Application No.: 09/228,772

Examiner: Daniel Swerdlow

Filed: January 6, 1999

For: **ADAPTIVE FILTER FOR NETWORK ECHO CANCELLATION**

Date: November 10, 2003

**CERTIFICATE OF TRANSMISSION**  
**BY FACSIMILE (37 C.F.R. § 1.8)**

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

I hereby certify that the following correspondence:

**Fee Transmittal for FY 2004 (1 pg.) in duplicate; AMENDMENT (18 pgs.); Replacement Sheets (2 sheets, Figs. 1 and 2); and Annotated Sheets Showing Changes (2 sheets, Figs. 1 and 2)**

is being transmitted by facsimile to the United States Patent and Trademark Office in accordance with 37 C.F.R. § 1.8 on the following date:

**James F. Dobrow**

(Typed Or Printed Name Of Person Signing this Certificate)

(Signature)

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PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL**  
**for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 86.00**Complete if Known**

Application Number	09/228,772
Filing Date	January 6, 1999
First Named Inventor	J. Benesty et al.
Examiner Name	Daniel Swerdlow
Art Unit	2644
Attorney Docket No.	010040/0004

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☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
<b>SUBTOTAL (1)</b>			<b>(\$)</b> 0.00

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
0	-20** = 0	X 18	= 0
1	-3** = 1	X 86	= 86
Multiple Dependent		0	= 0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 280	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity, Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,460	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to Institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
6021 40	6021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$)**SUBMITTED BY**

Name (Print/Type) James J. DeCarlo

Registration No. (Attorney/Agent)

36,120

(Complete if applicable)

Telephone (212) 806-5400

Signature

Date

November 10, 2003

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SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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